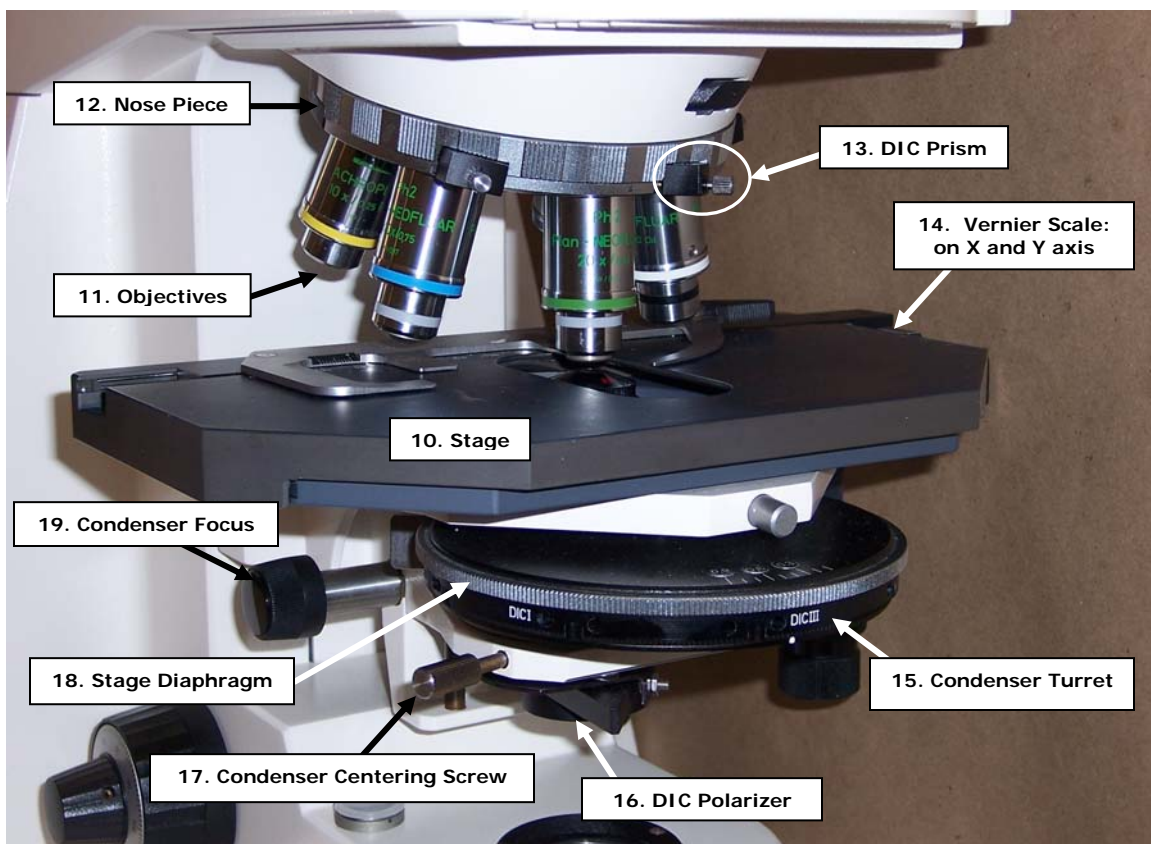
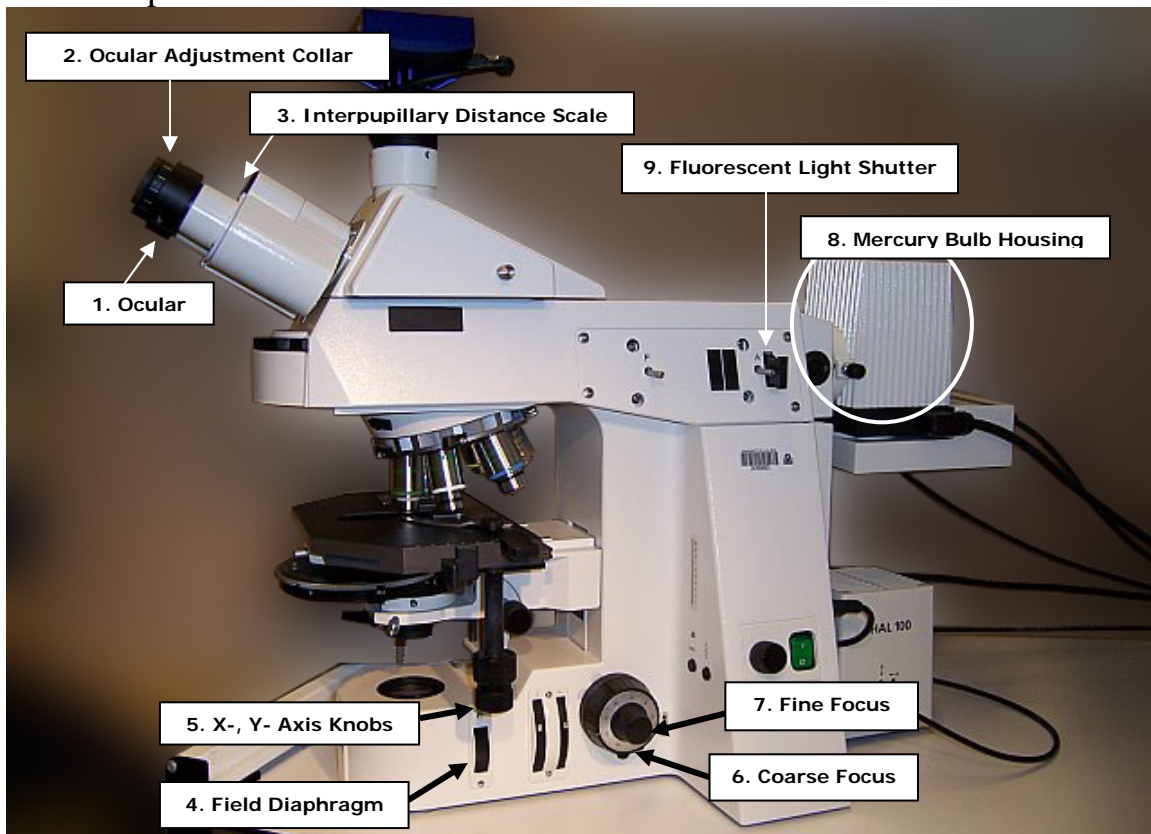


Basic Microscopy Module

Microscope Parts and Functions



1. **Ocular:** Eyepiece that magnifies the image of the specimen
2. **Ocular Adjustment Collar:** Movable ring in ocular used to focus each ocular
3. **Interpupillary Distance Scale:** Scale that measures the distance between the oculars
4. **Field Diaphragm:** Iris diaphragm in the base of the microscope that controls how much light is projected toward the stage.
5. **X- and Y-axis Knobs:** Adjusts the position of the stage in both the horizontal and vertical direction
6. **Coarse Focus:** Quickly adjusts the stage height for approximate focus
7. **Fine Focus:** Slowly adjusts the stage height for more exact focus than coarse adjustment
8. **Mercury Bulb Housing:** Houses the bulb used to illuminate fluorescent stains
9. **Fluorescent Light Shutter:** Opens and closes the path for the light from the mercury bulb housing
10. **Stage:** Surface that holds the slide securely for viewing
11. **Objectives:** Lenses immediately above the stage that magnify the specimen at 20x, 40x, and 100x magnification
12. **Nose Piece:** Holds two or more objective lenses and can be rotated to easily change magnification
13. **DIC Prism:** Helps produce contrast between different shapes in the specimen
14. **Vernier Scale:** Ruled scales on the stage used to determine the exact location (x and y coordinates) of an object on a slide
15. **Condenser Turret:** Selects the correct position of the polarizing ring for brightfield illumination and differential interference contrast (DIC)
16. **DIC Polarizer:** Works with the DIC prism to produce contrast
17. **Condenser Centering Screws:** Adjusts the horizontal placement of the condenser
18. **Stage Diaphragm:** Controls the amount of light reaching the condenser
19. **Condenser Focus:** Adjusts the height of the condenser